

AFWI



Australian Forest and Wood Innovations

From NIFPI to AFWI **Opportunities for super-charging** **innovation in Australian forestry** **and forest products industries.**

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Australian Forest and Wood Innovations
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15th October 2023

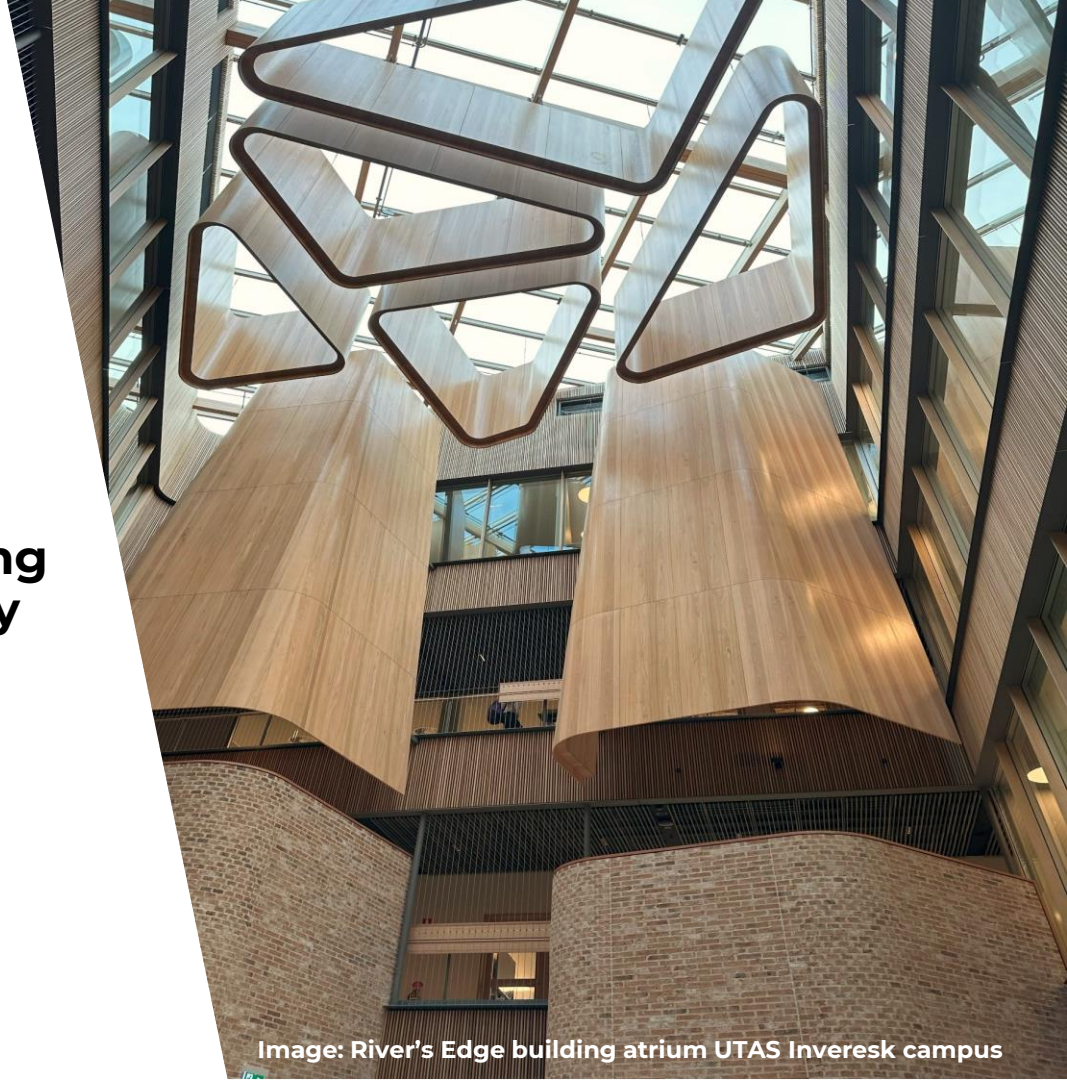


Image: River's Edge building atrium UTAS Inveresk campus



**NATIONAL INSTITUTE FOR
FOREST PRODUCTS INNOVATION**



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Australian Forest and Wood Innovations

The Journey

Profile NIFPI

Pre-AFWI History

AFWI research themes & objectives

AFWI Governance and Funding

AFWI timelines

Wrap-up

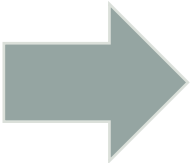
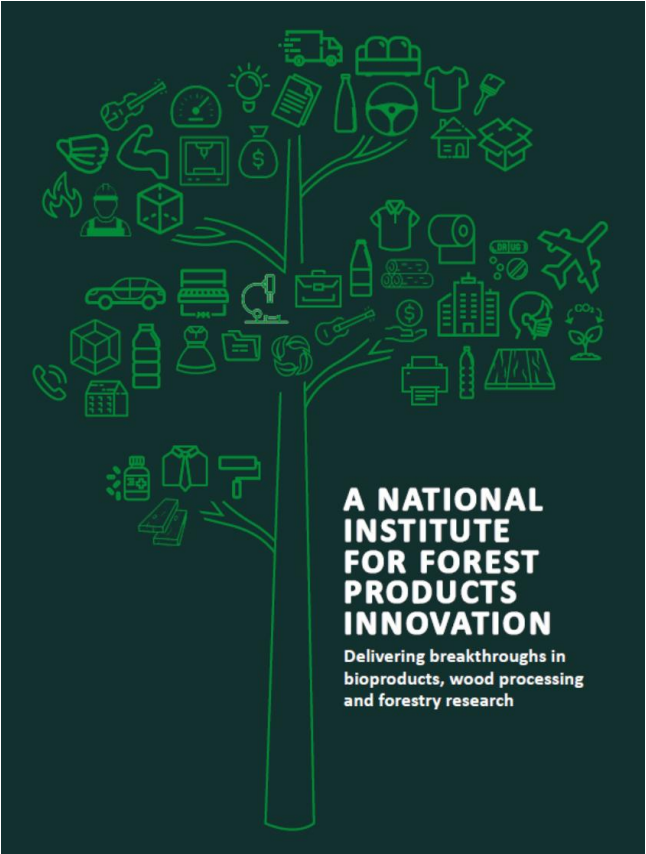


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- Commenced in **2017**
- **Three Centers:**
 - **Launceston** – 2 funding rounds - 17 Projects
 - **Gippsland** – 3 funding rounds - 12 Projects
 - **Mount Gambier** – 4 funding rounds - 22 Projects
- **\$15 Million** Federal and State Governments funding
- **Matching** (or better) Industry, University and State Government Agencies **cash and in-kind.**
- **Each Centre had its own Committee** – reviewed project applications.
- **FWPA** provided secretariat services to all Centers



20th June 2023



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Provisional AFWI Research Themes



Australian Forest and Wood Innovations

Sustainable forests

- tree breeding and genetics
- digital technology for forest management, monitoring and inventory
- improved silvicultural management
- First Nations peoples' participation in production forest management
- natural capital accounting and maximising multiple forest benefits
- management of biodiversity, conservation and threatened species in a production landscape
- management of forest health, pests and diseases, including biosecurity
- fire management in a changing climate in the production landscape
- farm forestry in a productive landscape.

Making the most of our available wood fibre

- product segregation and greater value recovery from existing resources
- wood and paper products
- innovative value adding to wood fibre
- biomaterial development
- new engineered wood solutions for construction
- improved supply chain
- transport logistics
- safety improvements, including fatigue management
- improved processing efficiency
- digital technologies, sensing machine learning and artificial intelligence applications in processing
- increasing wood fibre products contribution to the bioeconomy and circular economy
- optimising resource properties.

Climate Change Solutions

- reducing industry emissions
- the role of forestry in carbon capture and sequestration
- assisting in the substitution of emissions intense materials with low-carbon forest product alternatives
- carbon capture by wood products.

Outcomes



Improved sustainability through climate solutions & decarbonising the economy



Increased on-shore processing



New innovative higher-value products

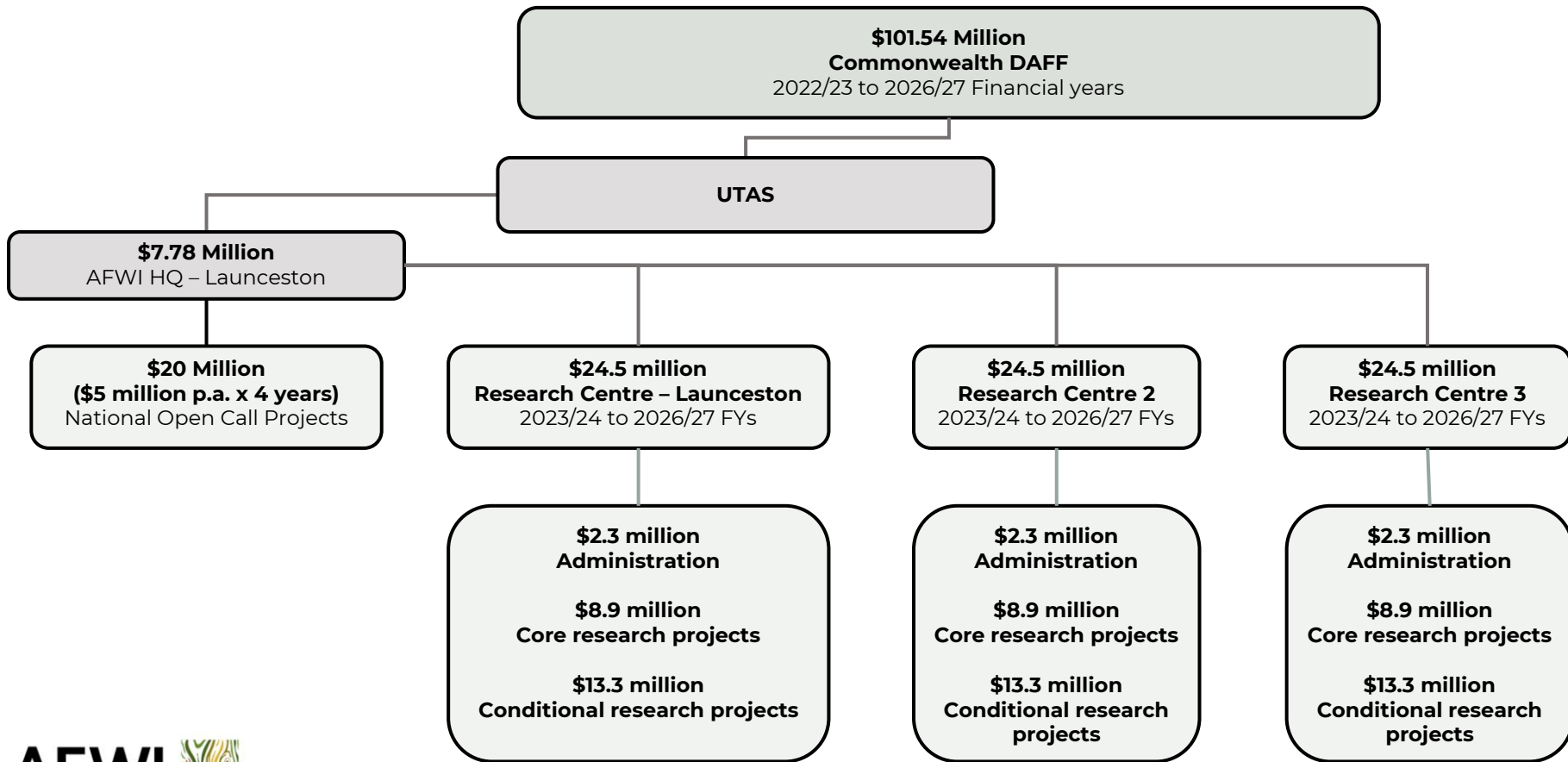


Increases in economic growth and jobs

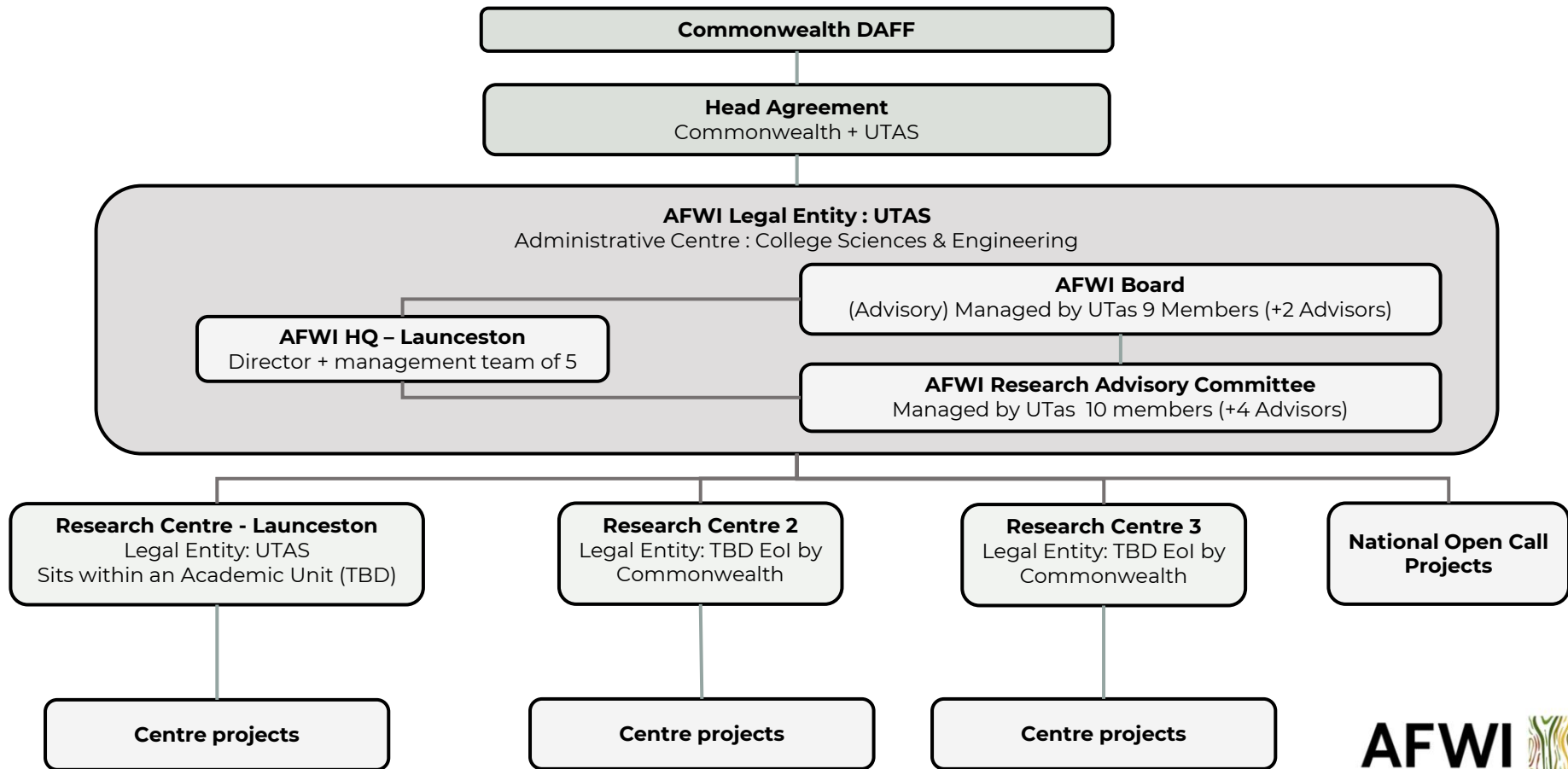


Growth in long-term research capacity and capability

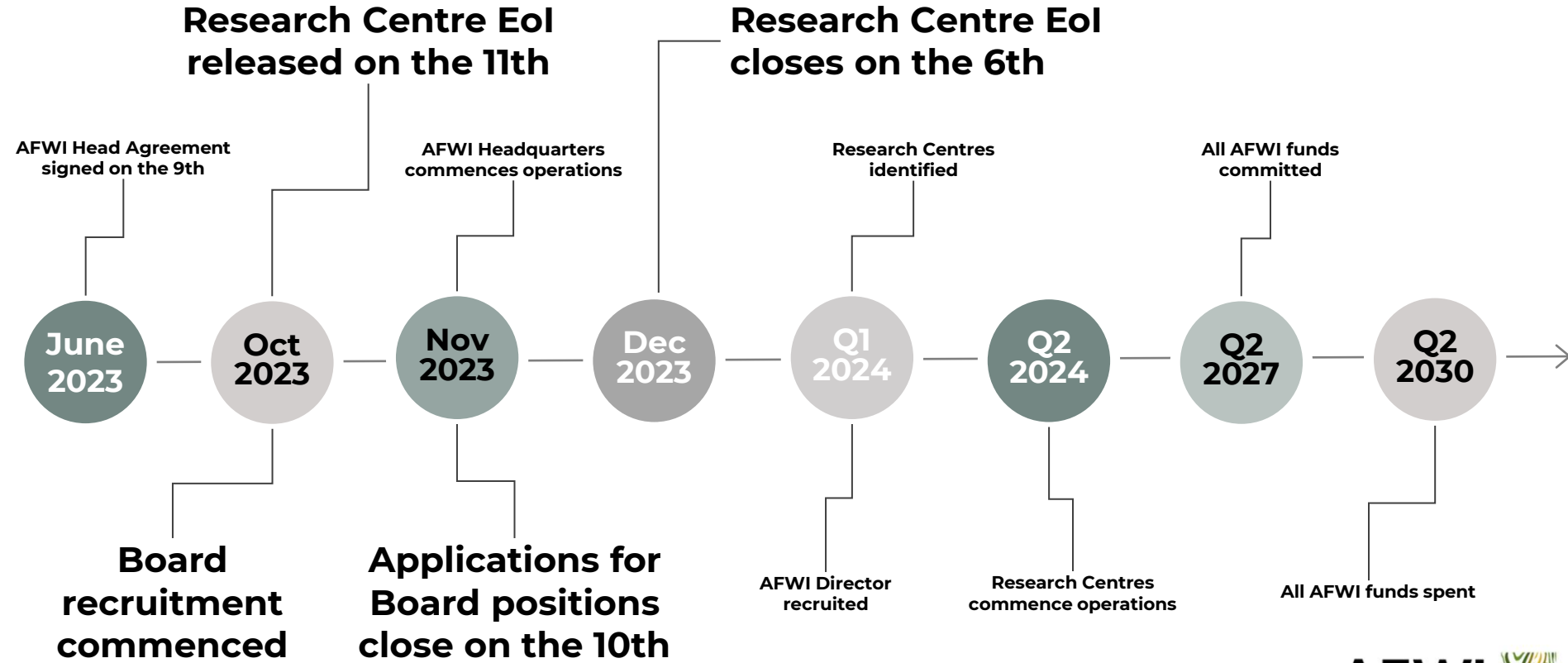
Australian Forest and Wood Innovations - Funding



Australian Forest and Wood Innovations - Governance



AFWI Timeline



Summary



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Australian Forest and Wood Innovations

Three Centres	Three Centres + 1 Headquarters
Focus on three regions	National coverage
Matched cash and in kind for all projects	Matched cash and in-kind for most projects
Open Call projects	Research Centre and Open Call projects
Three committees (one for each centre)	One Research Advisory Committee for all 3 centres
FWPA secretariat	Dedicated AFWI secretariat
\$15 million State and Federal funding	\$101.54 million Federal funding



Thank you
Any questions?

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Australian Government
Department of Agriculture,
Fisheries and Forestry



UNIVERSITY of
TASMANIA 

**Some people see the world as it is and
ask why?
Others dream of the world as it could
be and ask why not?**

Adapted from *Back to
Methuselah* by George
Bernard Shaw.

